



# UNITED STATES PATENT AND TRADEMARK OFFICE

W  
UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/811,209	03/26/2004	Robert Laurence Cook	2003-0126.03	1960
21972	7590	02/05/2008	EXAMINER	
LEXMARK INTERNATIONAL, INC. INTELLECTUAL PROPERTY LAW DEPARTMENT 740 WEST NEW CIRCLE ROAD BLDG. 082-1 LEXINGTON, KY 40550-0999			EBRAHIMI DEHKORD, SAEID	
ART UNIT		PAPER NUMBER		
		2625		
MAIL DATE		DELIVERY MODE		
02/05/2008		PAPER		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	Application No.	Applicant(s)
	10/811,209	COOK ET AL.
	Examiner	Art Unit
	Saeid Ebrahimi-dehKordy	2625

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on \_\_\_\_.
- 2a) This action is FINAL.      2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-24 is/are pending in the application.
  - 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_ is/are allowed.
- 6) Claim(s) 1-24 is/are rejected.
- 7) Claim(s) \_\_\_\_ is/are objected to.
- 8) Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 26 March 2004 is/are: a) accepted or b) objected to by the Examiner.
 

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) All    b) Some \* c) None of:
    1. Certified copies of the priority documents have been received.
    2. Certified copies of the priority documents have been received in Application No. \_\_\_\_.
    3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. ____ .                                     |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>12/6/04</u> .   | 6) <input type="checkbox"/> Other: ____ .                         |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-24 are rejected under 35 U.S.C. 102(b) as being anticipated by Miller et al (U.S. patent 6,257,693)

Regarding claim 1 Miller et al disclose: A method for processing a print job (note Fig.3) comprising modifying a raster operation function to have fewer variables than originally specified by said print job (note Figs.3 A&B, column 7, line 37 through column 8, line 12, and specifically column 8, lines 10-12, where at step 92 of Fig.3A, the filter is used to sharpen image, enhance edges and remove noise from the image, which would consider as modification of the image and also fewer variable compare to the original image presentation of the raster data being rendered).

Regarding claim 2 Miller et al disclose: The method of claim 1, wherein said modifying further includes determining whether said function has a variable with a black or white identity (note Fig.2, column 3, line 59 through column 4, line 6).

Regarding claim 3 Miller et al disclose: The method of claim 2, further including determining whether an ink variable is black or white (note Fig.1, column 3, lines 21-40).

Regarding claim 4 Miller et al disclose: The method of claim 2, further including determining whether an object variable is black or white (note Fig.1, column 3, lines 21-40).

Regarding claim 5 Miller et al disclose: The method of claim 4, further including determining whether said object variable is one of a character, a stencil and an image (note column 8, lines 10-54).

Regarding claim 6 Miller et al disclose: The method of claim 1, wherein said modifying further includes determining whether said function has a destination variable unaltered in a to-be-painted area (note Fig.2, column 3, line 59 to column 4, line 22).

Regarding claim 7 Miller et al disclose: The method of claim 1, wherein said function includes two of a destination variable, an object variable and an ink variable, said modifying further including reducing said function to a single variable (note column 7, lines 44-69 and also column 9, lines 25-31).

Regarding claim 8 Miller et al disclose: The method of claim 1, wherein said function includes one of a destination variable, an object variable and an ink variable, said modifying further including reducing said function to no variable (note column 8, lines 10-12).

Regarding claim 9 Miller et al disclose: The method of claim 1, further executing said modified function (note Figs. 3A&B, column 7, line 44 to column 8, line 40).

Regarding claim 11 Miller et al disclose: The method of claim 10, wherein said function has said one or more variables, further including modifying said function to have fewer said variables than specified by said PCL print job (note Figs. 3A&B, column 7, line 44 to column 8, line 40).

Regarding claim 12 Miller et al disclose: The method of claim 11, further including executing said modified function (note Figs. 3A&B, column 7, line 44 to column 8, line 40).

Regarding claim 13 Miller et al disclose: The method of claim 10, wherein said modifying

further includes determining whether said function has a variable with a black or white identity (note Fig.2, column 3, line 59 through column 4, line 6).

**Regarding claim 14** Miller et al disclose: The method of claim 13, further including determining whether an ink variable is black or white (note Fig.1, column 3, lines 21-40).

**Regarding claim 15** Miller et al disclose: The method of claim 13, further including determining whether an object variable is black or white (note Fig.1, column 3, lines 21-40).

**Regarding claim 16** Miller et al disclose: The method of claim 15, further including determining whether said object variable is one of a character, a stencil and an image (note column 8, lines 10-54).

**Regarding claim 17** Miller et al disclose: The method of claim 10, wherein said modifying further includes determining whether said function has a destination variable unaltered in a to-be-painted area (note Fig.2, column 3, line 59 to column 4, line 22).

**Regarding claim 18 and 21** Miller et al disclose: A method for processing a PCL print job in a rendering device, said PCL print job specifying a raster operation function, comprising: determining whether said function has one or more variable (note Figs.3A&B, column 7, line 44 to column 8, line 20). wherein said function has said one or more variables, modifying said function to have fewer said variables than specified by said PCL print job (note Figs.3 A&B, column 7, line 37 through column 8, line 12, and specifically column 8, lines 10-12, where at step 92 of Fig.3A, the filter is used to sharpen image, enhance edges and remove noise from the image, which would consider as modification of the image and also fewer variable compare to the original image presentation of the raster data being rendered) and executing said modified

Art Unit: 2625

function (note column 4, line 67 to column 5, line 17).

**Regarding claim 19** Miller et al disclose: The method of claim 18, wherein said modifying further includes determining whether said function has a variable with a black or white identity (note Fig.2, column 3, line 59 through column 4, line 6).

**Regarding claim 20** Miller et al disclose: The method of claim 18, wherein said modifying further includes determining whether said function has a destination variable unaltered in a to-be-painted area (note Fig.2, column 3, line 59 to column 4, line 22).

**Regarding claim 22** Miller et al disclose: The method of claim 21, further including setting a flag or not in response to said modifying (note column 9, lines 8-24).

**Regarding claim 23** Miller et al disclose: The method of claim 21, further including determining whether said function requires a hard processing operation or not (note Figs.3A&B; also note column 7, lines 44-57).

**Regarding claim 24** Miller et al disclose: The method of claim 21, further including constructing a display list having a plurality of to-be-printed objects, each having an ink attribute where said modified function resides (note column 4, line 65 to column 5, line 17).

#### **CONTACT INFORMATION**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Saeid Ebrahimi-dehKordy whose telephone number is 571-272-7462. The examiner can normally be reached on Mon-Fri, 8:00am-6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Moore can be reached on 571-272-7437. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Saeid Ebrahimi  
Patent Examiner  
Group Art Unit 2625  
November 9, 2007

